



# भारत का राजपत्र The Gazette of India

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NEW DELHI, SATURDAY, JULY 24, 1971 (SRAVANA 2, 1893)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE Patents and Designs

Calcutta, the 24th July 1971

#### CORRIGENDUM

In the Gazette of India Part III, Section 2, dated the 15th May 1971 in page 177, Column 2 under the heading "Applications accepted" :—

for number 124967

read number 124987

#### Application for Patents

The dates shown in crescent brackets are the dates claimed under Section 78A of the Act.

3rd July 1971

- 131976 S. D. Patil and (Mrs.) Rekha Sharadchandra Patil. Electronic horn.
- 131977. Richter Gedeon Vegyeszeti Gyar R. T. A process for the acylation of  $17\beta$ -hydroxysteroides containing enolizable oxo-group.
- 131978. Girling Limited. Improvements relating to disc brakes. (4th July 1970).
- 131979. Girling Limited. Improvements in hydraulic actuators. (4th July 1970).
- 131980. Kamyrt Aktiebolag. Method of continuous cellulose digestion and digester adapted for performing the method.
- 131981. Internationella Siporex Aktiebolaget. Mould for casting cellular light weight concrete bodies.
- 131982. Kennedy Van Saun Corporation. Method of and system for controlling grinding mills.
- 131983. J. P. Palkhiwala. Differential mechanism.

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5th July 1971

- 131984. Council of Scientific and Industrial Research. Device for increasing the speed of vehicles such as bicycles.
- 131985. Council of Scientific and Industrial Research. Machine for formation of paper twine out of paper tape.
- 131986. Council of Scientific and Industrial Research. Xerography developer composition. [Divisional date October 1969].
- 131987. Union Carbide Corporation. Machine for filling performed pouches.
- 131988. North American Rockwell Corporation. Diesel engine starting aid.
- 131989. Imperial Chemical Industries Limited. Ethylene copolymers and laminates made therewith. (20th July 1970).
- 131990. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Naphthoquinone derivatives.
- 131991. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of a pyroglutamylpeptide.
- 131992. Carding Specialists (Canada) Limited. Improvements in carding means. (7th July 1970).
- 131993. Sandoz Ltd. Improvements in or relating to organic compounds. (6th July 1970).
- 131994. The Wellcome Foundations Limited. Method of synthesis of pteridines. (27th July 1970).
- 131995. Fierro Esponja S. A. Method and apparatus of reducing particulate metal ores.
- 131996. E. K. Shule, S. S. Kutukov, E. I. Rytvin, A. A. Myagchenkov, M. D. Khodakovsky, N. G. Bakanov, N. I. Shevchenko and O. P. Shiman. Apparatus for producing fibres from melts.
- 131997. S. S. Nirgude. Rocking toy horse.

131998. Jitender Gupta. Dual heat soldering gun.  
 131999. J. Gupta. Vibratory saw.  
 132000. K. J. Mistry. Pressure operated push control switch.

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132001. Council of Scientific and Industrial Research. Improvements in or relating to preparation of a plastic filter to transmit near infrared radiation.  
 132002. N. S. Balakrishnan. Improvements in or relating to flexographic printing machines.  
 132003. T. R. Sarich. An improved rotary motor. (6th July 1970).  
 132004. Koninklijke Nederlandsche Gristen Spiritfabriek. N. V. Process for the preparation of 6-substituted aminopenicillanic acid derivatives and pharmaceutical compositions containing them. [Divisional date 18th June 1969].  
 132005. Imperial Chemical Industries Limited. Production of benzene.  
 132006. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Benzodiazepine derivatives.  
 132007. Charles E. Frosst & Co., Cyclobenzaprine as a muscle relaxant (7th July 1970).  
 132008. The Marley Company. Splash bar for cooling tower fill assembly.  
 132009. Giddings & Lewis, Inc. Improvements in or relating to machine tools.  
 132010. Clark Equipment Company. A fluid control system for an engine.

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132011. J. P. Mathur and P. P. Mathur. Improvements in or relating to manual alarm actuators.  
 132012. Rampati Agro-Engineering Private Limited. Telescopic prop mounted pump for use in working faces and sumps in underground mines.  
 132013. E. R. Squibb & Sons, Inc. Cyclopropylmethylphenyl acetic acids and derivatives.  
 132014. Edward L. Bateman Limited. Scrubbing method and apparatus.  
 132015. Energy Sciences, Inc. Electron producing apparatus and method.  
 132016. Singer-Cobble Limited. Method and apparatus for the production of textile fabrics and the fabric produced thereby.  
 132017. Hindustan Vacuum Glass Ltd. Improvement in or relating to vacuum-glass tumbler.  
 132018. S. Venkatesan B.E. A new method of concrete mix design based on the principles of water required for completion of bulkage of aggregates and standard sizes of aggregates.  
 132019. R. M. Ranadive. Improvements in and relating to record player or changer.  
 132020. K. S. Pai. Improved bittering agent for beer, beverages or the like.  
 132021. P. H. Gopaldas and M. Khurana. A tool bar.  
 132022. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Amines.  
 132023. Sandoz Ltd. Improvements in or relating to organic compounds (9th July 1970).  
 132024. Institut Francais Du Petrole, Des Carburants Et Lubrifiants. Process for selectively hydrogenating petroleum cuts of the gasoline range in several steps.

132025. Richter Gedeon Vegyeszeti Gyar R. T. A process for the acylation of sterane compounds having hydroxyl groups in the allyl-position.  
 132026. Tata Engineering & Locomotive Company Limited. A seal for vehicles, for example, commercial vehicles.

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132027. Carrier Corporation. Motor compressor unit.  
 132028. Carrier Corporation. Compressor discharge muffling means.  
 132029. Carrier Corporation. Cylinder head for a motor compressor unit.  
 132030. Dunlop Holdings Limited. Improvements in vehicle suspension systems. (9th July 1970).  
 132031. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of fast dyeings or printings on fiber materials containing cellulose.  
 132032. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of  $\alpha$ -amino-ketones acylated by dicarboxylic acids.  
 132033. R. Camus. Construction members.  
 132034. Veb Filmfabrik Wolfen Fotochemische Werk Berlin. Process for the production of photographic emulsions. (4th December 1970).  
 132035. Artos Dr. Ing. Meier-Windhorst Kommanditgesellschaft. Process for the manufacture of especially show-material.  
 132036. Pilkington Brothers Limited. Improvements in or relating to apparatus for scoring sheet material. (10th July 1970).  
 132037. National Aeronautics and Space Administration. Minimal surface chip.  
 132038. S. K. Karanjia. An inflatable chair, sofa or like item of furniture.  
 132039. Egypt Gyogyszervegyeszeti Gyar. Indazole-3-carboxylic amides and processes for the preparation thereof.

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132040. Council of scientific and Industrial Research. Improvements in or relating to electrolyte for the aluminium electrolytic capacitors.  
 132041. G. G. Dandekar. Special locking and ringing arrangements for telephone sets.  
 132042. G. G. Dandekar. Self locking stand for bicycles. (scooters, motor-cycles, scooter rickshaws and such other two/three wheeled vehicles).  
 132043. Shri Ram Institute for Industrial Research. Improvements in or relating to the synthesis of plasticizers from castor oil for polyvinyl chloride resins (PVC).  
 132044. Aldrich Chemical Company. Amino acid amides of disubstituted phenethylamines.  
 132045. Universal Oil Products Company. Flow distributing apparatus and use thereof.  
 132046. Universal Oil Products Company. High octane unleaded gasoline production.  
 132047. Girling Limited. Improvements in and relating to servo-motors for vehicle brake systems. (16th July 1971).  
 132048. Universal Oil Products Company. Solid phosphoric acid catalyst and method of manufacture and use thereof.

132049. Council of Scientific and Industrial Research. A process for the agglomeration of chromite ores.
132050. Development Consultants Private Limited. Improvements in or relating to retaining walls.
132051. K. K. Xavier. An improved drawing board for drafting machines and a process for making the same.
132052. K. K. Xavier. Fluid operated board tilting mechanism for drawing boards or like boards for any purpose.
132053. K. K. Xavier. Improvements in or relating to parallel motion drafting machines.
132054. Biraj Krishna Basu. Improvements in or relating to bobbins for jute spinning machines.
132055. Biraj Krishna Basu. Tape belt for driving flyers of jute spinning machines.
132056. The Metal Box Company Limited. Containers.
132057. Toyo Jozo Kabushiki Kaisha. Antibiotic tuberactinomycin-n and process for production thereof.
132058. Cardwell Westinghouse Company. Empty load device for railroad cars.
132059. Snam Progetti S.p.A. Process for producing carboxylic acids.
132060. Snam Progetti S.p.A. Pyrolysis of amidocarboxylic acid derivatives and products of said pyrolysis.
132061. Prolyzeng AG. Nozzle for feeding molten metal to the endless chain circulating moulds in the continuous extrusion casting of strip.
132062. S. F. J. Rosberg and A. J. Lonnberg. Improvements in or relating to methods of manufacturing footwear.
132063. N. V. Philips Gloeilampenfabrieken. A device comprising a plurality of series arranged storage elements.
123268. The Champion Paper Company, Ltd. Microcapsular opacifiers, method for the production thereof and method of producing highly opaque fibrous or non-brous substitutes therefrom. Accepted on 24th June 1971.
- Comprising discrete, substantially spherical, air-containing microcapsules having substantially continuous solid walls and an average particle diameter of below about 2 microns, said microcapsules additionally having pigment particles incorporated in the microcapsular structure.*
123356. The Scientific Adviser to the Defence Minister, Ministry of Defence, Govt. of India, New Delhi (India). A corrosion inhibitor composition for mild steel and other ferrous components and components so protected. Accepted on 29th June 1971.
- Consisting of at least two component selected from organic amides, amines, ammonium salts, inorganic nitrites and additives.*
123465. Braunschweigische Maschinenbauanstalt A. G. Improvements in or relating to centrifuges. (14th July 1969). Accepted on 23rd June 1971.
- Comprising a drum rotatably mounted within a casing pivotally mounted about a first axis, above the centre of gravity of the centrifuge, in ring means which are pivotally mounted on an axis transverse to the said first axis.*
123578. D. S. Bist. Lantern. Accepted on 3rd July 1971.
- Fuel tank is arranged at a level higher than the burning tip of the wickholder.*
123699. Council of Scientific and Industrial Research. Improvements in or relating to the resistance of ceramic materials to thermal shock, electrical conduction and chemical attack of vapour, liquids and solids. Accepted on 5th July 1971.
- Comprising firing (a) silica or alumina silicate or any combination of the two and (b) 2-20 per cent by weight of basic oxide or any other compounds of boron bearing 2 to 20% by weight of basic oxide in the composition.*
123805. Sayaji Iron & Engineering Co., Pvt. Ltd. Threshing machines for grains. Accepted on 7th July 1971.
- Provided continuous feeding means disposed parallel or substantially parallel to the axis of the threshing drum and means for causing the gripped stalks to travel along the axis of the drum.*
123920. Huttenwerk Oberhausen AG. process for making steel in induction crucible furnaces, and an induction crucible furnace adapted to the said process. Accepted on 6th July 1971.
- Characterised in that the ratio of the induction coil input to the crucible contents is high enough to form a dome on the both surrounded by a toroidal vortex of slag, which absorbs the unwanted iron elements from the bath during refining and drags the low density charge materials below the slag surface.*
124154. Kanegafuchi Boseki Kabushiki Kaisha and Snia Viscosa Societa' Nazionale Industria Applicazioni Viscosa S.p.A. A method of producing polyester series polymers. Accepted on 3rd July 1971.
- Characterized in that metallic antimony and metallic titanium are used together as the catalyst.*
124295. Velcro France. A flexible band for separable fastening device and method and apparatus for making same. Accepted on 7th July 1971.
- A terminal enlargement is provided on at least one of the two thread extremities which are formed by cutting one arm of a thread loop in order to form a hook.*
124385. Centre De Recherches De Pont-A-Mousson. Connecting device for pipes and applications thereof. Accepted on 10th June 1971.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933, of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot, 8, Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

123163. A. S. Bhagat and Mrs. Shakuntala Anirudha Bhagat. Improvements in or relating to means for connecting members of a structure, machine or the like. Accepted on 15th June 1971.

*One face of the connecting member is formed with at least one ridge and at least one groove, said ridge and groove having show tapered surface, the base of the groove being of less width than the width at top of the ridge so that a gap is between the mating ends of a ridge and a groove in the assembly of structural units.*

*Comprising a sealing sleeve bound by a coil spring radially clamped by a movable outer member having an inner tapered clamping face and means for displacing the outer member towards the other tubular element wherein a portion of length of spring surrounds the sleeve provided with an inner collar the spring extending beyond the sleeve onto the tubular smooth end of the one tubular elements.*

124449. Mrs. Banoobi Syed Mustafa. An improved incubator. Accepted on 6th July 1971.

*Wall of the incubator is a multi layer component, the inside and outside layers formed by wooden planks, a layer of glass wool adjacent the inner wall and thick insulating layer adjacent to the outer layer.*

124475. Metallgesellschaft Aktiengesellschaft. Electrostatic precipitator. Accepted on 17th June 1971.

*Comprising collection electrodes, and charging electrodes the said collecting electrodes, are suspended from horizontal carriers and parallel to the centre line of the housing.*

124498. N. V. Philips Gloeilampenfabrieken. Single-phase pesticidal ultra low volume preparation. Accepted on 3rd July 1971.

*Single phase pesticidal ultra low volume preparation comprising a pesticide and a vegetable or animal wax or a wax-like product and if desired a diluent.*

124567. Sulzer Brothers Limited. Electrical apparatus. Accepted on 23rd June 1971.

*Comprising a gas tight closure which is provided on the filler opening and is produced after introduction of the solidifying compound and the housing which is provided with an additional opening for the gas tight feed through of the leads to the winding into housing.*

124613. British Insulated Callender's Cables Limited. Improvements in or relating to fluid filled cables. (31st December 1968). Accepted on 28th June 1971.

*Providing in the or an at least one of the fluid impermeable fillings an open-ended pipe of a bore such as to provide for the required longitudinal flow of the insulating fluid.*

124698. Gosudarstvenny Sojuzny Nauchno-Issledovatel'skiy Traktorny Institut. Band brake of a vehicle. Accepted on 2nd July 1971.

*Comprising a band, a frame having clamps embracing the said band and a plurality of brake members.*

124701. Indo Shipping Company. An exploder. Accepted on 2nd July 1971.

*Comprising an a.c. generator connected to a primary of a transformer through a capacitor a first secondary winding connected to an indicator circuit and a second secondary winding of the transformer connected to the output terminals through capacitors, rectifiers and a switch.*

124721. H. D. Hudson Manufacturing Company. Improvements in or relating to gas-fired burner assembly and a chicken brooder including the same. Accepted on 5th July 1971.

*Comprises a lower bowl, a gas inlet conduit, means for controlling the supply of gas through the conduit, an upper bowl at least one of said bowls provided with serrated edge which defines a multiplicity of gas burner ports.*

124725. Shinwa Sangyo Co., Ltd. A cooling tower. Accepted on 5th July 1971.

*Comprising a plurality of cooling media formed in zig-zag from in lateral section, wherein heated liquid falls through cooling media and cooling fluid flows oppositely against the fall of the liquid through said cooling media, and a plurality of bands equidistantly securing the crests of said cooling media in contact therewith to variably space therebetween.*

124729. Joseph Lucas (Industries) Limited. Spark ignition systems. (10th January 1969). Accepted on 5th July 1971.

*Including means for exposing a radiation receiver to a radiation source for producing a spark and means for controlling the supply to the source for full power when it is exposed to the receiver.*

124762. Shriram Refrigeration Industries Ltd. A unitised air conditioning system for railways. Accepted on 3rd July 1971.

*Wherein a plurality of air conditioning units being employed for each rail car or railway coach, their number depending upon the degree of air conditioning required, the passengers capacity of the coach and the prevailing climatic conditions and so that failure of one unit does not cause serious or failure of the entire system as the remaining units are adapted to share the load of the in operative unit.*

124780. Joseph Lucas (Industries) Limited. Dynamo-electric machines. (13th January 1969). Accepted on 6th July 1971.

*Including a brush assembly engaging a slip ring assembly and carried on an end of a rotor shaft and engaging and refining with a frame a housing for the slip ring assembly.*

124802. Y. C. Yuen and K. S. Yuen. An inflatable mattress or cushion. Accepted on 3rd July 1971.

*Comprises at least three flexible fluid impervious layers sealed together around their perimeters so as to define two independent compartments each compartment having at least one aperture and at least one compartment being internally partitioned.*

124808. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the separation of acetylene from gases obtained by pyrolysis. Accepted on 5th July 1971.

*Process for the separation of acetylene from carrier gases formed in the pyrolysis of hydrocarbons, by absorption by means of high boiling solvent, absorbing acetylene selectively and by subsequent desorption in which portion of the gas-components absorbed by the solvent are again expelled in several stages, partially with the use of the stripping gases.*

124853. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Poultry feed and process for preparing the same. Accepted on 3rd July 1971.

*Comprises adding to a basic poultry feed citranaxanthin and one or more yellow pigments carotenoids.*

124875. Danfoss A/S. Control equipment for a flame-monitoring system. Accepted on 5th July 1971.

*Characterized in that the collector emitter gap of the transistor is connected in parallel with the photo-sensitive relay and a working resistor, usual for transistors, is connected on the collector side in the common lead.*

124950. N. V. Philips Gloeilampenfabrieken. A device for converting accoustical vibrations into electrical oscillations and conversely which is provided with a magnet system and a non-magnetic centering member. Accepted on 6th July 1971.

*Having the centering member forming part of a casing in the form of a centering sleeve enclosing the magnet system, the inner surface of the sleeve*

being provided with at least two abutment members.

124965. The Bunker-Ramo Corporation. Electrical connector and wire seal therefor. Accepted on 7th July 1971.

Comprising a support member with a passage with an electrical contact in that passage, a wire in the passage including an electrical conductor and insulator and a tubular seal member surrounding the said wire in the said passage.

125015. N. V. Philips Gloeilampenfabrieken. Voltage-dependent resistor. Accepted on 2nd July 1971.

Characterised in that each of the electrode layers comprises a plurality of island-shaped regions arranged in one or more rows, at least one island of each row overlapping partially two consecutive islands belonging to a second row.

125111. N. V. Philips Gloeilampenfabrieken. Semiconductor device for producing or amplifying microwaves. Accepted on 2nd July 1971.

With at least two equal electrodes which project from the body on the opposite side of plate-shaped semiconductor body and contact a plane surface of electrically conductive cooling member which is insulated from semiconductor body for removing part.

125144. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of benzoyl chloride and benzotrichloride. Accepted on 3rd July 1971.

Characterized by subjecting dibenzyl ether to chlorination of side chains of alkyl substituted aromatic hydrocarbons.

125209. Sandvikens Jernverks Aktiebolag. Improvements in or relating to inserts for machining of steel or the like. (1st January 1970) Accepted on 7th July 1971.

Comprising an insert body of sintered hard metal alloy consisting of a metallic carbide bound with a binder metal, and a surface layer of carbide of higher wear resistance.

125217. N. V. Philips Gloeilampenfabrieken. Flash bulb. Accepted on 5th July 1971.

Body of the electrically insulating material completely encompasses the parts of the current conductors located within the envelope and that the end remote from the lamp cap is provided with a cavity connected to the space within the envelope.

125218. N. V. Philips Gloeilampenfabrieken. Semiconductor device and method of manufacturing said device. Accepted on 2nd July 1971.

Thyristor constructed from a surface zone surrounded by a second surface zone, a buried zone below, and a connection zone adjoining the surface and separated from second surface zone and adjoining buried zone.

125417. Siemens Aktiengesellschaft. A high-voltage switch-gear cubicle. Accepted on 5th July 1971.

Branch conductor is shielded by a housing, having first and second parts, said parts being securable together clear of the bus-bar and of the branch conductor by two caps which fit around the bus-bar and are slidable therealong into engagement with said parts.

125464. N. V. Philips Gloeilampenfabrieken. Semiconductor device. Accepted on 6th July 1971.

Characterised in that an annular channel interrupting surface zone is situated beside at least one further zone on the side of the contact layer, the distance from the contact layer to the outer circumference of the further zone exceeds the distance from the contact layer to the outer circumference of the channel interrupting surface zone which adjoins the first zone at least along its entire inner circumference.

125508. Knapsack Aktiengesellschaft. Process for the production of vinyl chloride from 1, 2-dichloroethane. Accepted on 3rd July 1971.

Characterized in that the condensed vinyl chloride which still contains small amounts of hydrogen chloride is fed to the top of a degasification zone from which part of the vinyl chloride is evaporated by means of a circulating evaporator, condensed, and pumped back to the middle of the first distillation stage for distilling off the hydrogen chloride and to provide vinyl chloride free from hydrogen chloride which is discharged from the bottom of the degasification zone.

125653. Council of Scientific and Industrial Research. Improvements in or relating to the electrolytic reduction of titanous sulphate to titanous sulphate. Accepted on 3rd July 1971.

Comprises in electrolysis a titanous sulphate solution containing 120 to 480 g/l  $Ti(SO_4)_2$  and 160 to 800 g/l sulphuric acid in a divided cell using lead anode and lead or amalgamated lead cathode wherein the cathode is rotated and blue asbestos thread is wound over the lead anode to act as diaphragm, a cathode current density of 0.5 to 10 amp/dm<sup>2</sup> and a temperature of 250° to 600°C are employed, the reduction is carried out in inert atmosphere.

125665. James Mackie & Sons Limited. A device for use in winding packages of synthetic plastic tape. (18th March 1969). Accepted on 5th July 1971.

The finger for controlling the traversing of the tape in relation to the package has an inwardly projecting nose portion lying directly opposite the tape guide, and the end of the finger adjacent the nose portion is capable of elastic displacement.

125675. Österreichische Stickstoffwerke Aktiengesellschaft. Process for the production of defluorinated cement clinkers from phosphoric acid-by-product-gypsum. Accepted on 6th July 1971.

Heating the by product gypsum to a temperature within the range of 500°C to 900°C in the furnace waste gases containing sulphur dioxide and subsequently mixing known additives with the hot material without the loss of heat immediately prior to entering the calcination furnace.

125819. Farbenfabriken Bayer Aktiengesellschaft. An anode for alkali metal chloride electrolysis. Accepted on 3rd July 1971.

The anode being composed of an alloy of iron and silicon having a minimum silicon content of 15% by weight.

125840. Universal Oil Products Company. Process for regenerating coke-deactivated catalyst. Accepted on 7th July 1971.

Process for regenerating a deactivated hydrocarbon catalyst comprising a combination of a platinum, a rhodium and a halogen component with an alumina carrier material, comprising (1) contacting the deactivated catalyst with a first and second gaseous mixture successively consisting essentially of  $O_2$ ,  $H_2O$  and halogen (2) purging oxygen and water from contact with the catalyst from the previous step with an inert gas stream and (3) subjecting the catalyst resulting from step (2) with water free hydrogen at a temperature of about 400°C to 600°C.

125858. Nauchno-Issledovatel'skiy Institut Po Udobreniyam I Insektofungitsidam Imeni Prof. Ya. V. Samoilova. Process for the manufacture of sulphuric acid by wet catalysis. Accepted on 7th July 1971.

Characterised in that sulphur-containing raw material is burned to form burner gas containing sulphur dioxide and water vapour, said sulphur dioxide is then oxidised to sulphur trioxide, and the gas containing sulphur trioxide and water vapour is sprayed with 78-98% sulphuric acid in two

stages, the first stage being carried out with the reflux acid at a temperature 90–200°C and the second stage being carried out with the reflux acid at a temperature of 40–70°C, and the sulphuric acid fog formed is thereupon separated in filters.

126073. The Dunlop Company Limited, Composite structures. (19th April 1969). Accepted on 3rd July 1971.

Characterized in that a body of rigid porous metallic structure having on at least one surface thereof a reinforced layer comprising a fibre reinforcement and a bonding material.

126239. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of 2-alkyl-4, 6-dinitrophenol derivatives and insecticidal and acaricidal compositions containing the same. Accepted on 3th July 1971.

Comprises reacting chloroformic acid 2-alkyl-4, 6-dinitrophenyl ester with secondary amine MHR' R'', R'' being hydrogen, alkyl, halo-alkyl and alkenyl and R' is alkyl, alkenyl, cycloalkyl, aralkyl.

126295. Joseph Lucas (Industries) Limited. Contact breaker assemblies for use in ignition distributors. (12th June 1969). Accepted on 5th July 1971.

Including an annular base plate, a second plate, and including a hollow bearing sleeve surrounding the cam shaft, a body, a fixed contact secured by the body, a cam follower and a movable contact operated by said cam follower in response to the rotation of said cam shaft relative to the cam follower.

126342. Joseph Lucas (Industries) Limited. Full wave rectifier assemblies. (9th June 1969). Accepted on 6th July 1971.

Including a first plate carrying first, second and third semiconductor diodes, a second plate spaced from the first plate by a thin layer of insulating material and carrying fourth, fifth and sixth semiconductor diodes, first, second and third phase connectors; characterised by the connections of these phase connectors with the terminals of the diodes.

126351. Siemens Aktiengesellschaft. Improvements in or relating to contact spring assemblies. (6th March 1970). Accepted on 6th July 1971.

Fixed contact spring makes an angle of at least 10° with the movable contact spring associated therewith.

126370. Joseph Lucas (Industries) Limited. Electrical systems for road vehicles. (28th July 1969). Accepted on 7th July 1971.

Includes a pair of electrical loads, a pair of switches, a pair of feed lines, means for making feed lines positive or negative with respect to each other, and polarity sensitive switching means operable by a pulse between the feed lines.

126394. Joseph Lucas (Industries) Limited. Warning circuits for road vehicles. (9th June 1969). Accepted on 7th July 1971.

Includes first and second earthed switches, a warning device and means for short circuiting said warning device when the first switch closes unless the second switch is still closed.

126395. Joseph Lucas (Industries) Limited. Warning circuits for road vehicles. (9th June 1969). Accepted on 7th July 1971.

First switch is operable by the ignition key, second and third switches are operated by the divers door, the second switch being connected in series, with a warning device and the first switch, the second switch being connected in series with a courtesy light.

126396. Joseph Lucas (Industries) Limited. Warning circuits for road vehicles. (9th June 1969). Accepted on 8th July 1971.

Includes a diode coupling first and second series circuits and permitting energisation of courtesy light by second switch whilst preventing energisation of the warning device by third switch.

126536. V. V. Hate. An automatic control valve for inlets to tanks reservoirs or the like for storage of liquids. Accepted on 8th July 1971.

Comprising a body made up of an upper and a lower halves, the upper having a top to bottom through opening, a valve seat at the lower end of the opening, a valve flap hinged and contained within the through opening to swing up or down, through the side walls of the lower half being passed a horizontal bar, a lever having angular shape fitted to the middle of the bar, the tip of the lever extending up to outlet of the valve, the lever being adapted to lift the valve flap, a second straight or curved lower rigidly fitted to one end of the bar, one end of the second lever having a dead weight while the other end has a hole or hook adapted to receive one end of a chain suspended from the hook or hole, at the other end of the chain being held a balance weight.

126695. American Screen Enterprise. Improvement in or relating to supports for curtains and screens of doors, windows and other openings. Accepted on 6th July 1971.

Comprising a rod hollow at least one of its two ends, an operating mechanism housed in the hollow end of the rod and comprising a central spindle passing through a long helical spring one end of which is fitted over one of the spindle, a holding pin with its one end attached to the other end of spindle and the other end flat or non-circular, a profile cam below the other end of holding pin, between the cam and the said end of spindle, a ratcheted head whose rim forms a cup shade recess in one of its faces, pivots over said face and at least one part of hooks on the other face, the other end of the spring being fixed to at least one of the hooks, said rod and operating mechanism being held in two fixed pins, at least one of the fixed pins having a non-circular adapted to receive the non-circular end of the holding pins.

126944. The British Oxygen Company Limited. Vacuum-insulated vessels. (10th June 1969). Accepted on 7th July 1971.

Wherein the rim of the outer container is provided with perforations and is embedded in the rim of the inner container.

127021. Nippon Kokan Kabushiki Kaisha. Aluminium killed-steel. Accepted on 9th July 1971.

Al-killed steel consisting of 0.13 to 0.23% C, 0.02 to 0.15% Si, 1.20 to 1.50% Mn, 0.02 to 0.05% Sol Al, 0.01 to 0.05% Nb, balance being iron.

127166. Tractel S. A. Improvements in or relating to hydraulic actuators with built-in automatic reversal device. Accepted on 6th July 1971.

Characterised by an axial valve spool mounted in a cylinder bottom and rigid with a control rod penetrating into the bore of a piston rod and actuated by the reversing device at the end of each stroke of the piston rod.

127189. B. K. Shenoy, R. V. Saluja and Gyan Ranjan Dey. Improvement in/or relating to the process of obtaining pigments based on red mud, calcium oxide and/or calcium carbonate and chromic acid. Accepted on 7th July 1971.

Calcination at 900–1000°C of the aqueous reaction product of red mud, calcium carbonate, calcium oxide and chromic acid maintained at pH of 8–10 followed by air cooling.

127300. Esso Research and Engineering Company. Improved method for treating the recycled diluent from

a butyl rubber polymerization process. Accepted on 3rd July 1971.

*Comprises introducing the rich glycol from glycol absorption tower into flash drum at elevated temperature and pressure to flash off the rotatable portions of glycol followed by introduction into a self refluxing tower and a regenerator reboiler in a recycling manner and removing the glycol concentrate from the regenerator reboiler.*

127316. Sola Basic Industries, Inc. Vacuum oil quench furnace. Accepted on 8th July 1971.

*Chamber means evacuable to sub atmospheric pressure, a heating furnace within it, a quenching tank placed below furnace, a transfer mechanism movable into and out of said furnace and to a position over said quenching tank, means on said transfer mechanism for supporting a load and releasing it.*

127340. Montecatini Edison S.p.A. Process for the preparation of copper cement free of arsenic, starting from acid arsenical solutions. Accepted on 3rd July 1971.

*Characterized in that in the first stage the starting solution 'A' is admixed with a ferrous salt so that the molar concentration of the  $Fe^{+2}$  ion becomes equal to or slightly greater than that of  $cu^{+2}$  obtaining thus a solution 'B' in the second stage the solution 'B' is brought up to a pH of between 3 and 3.5 and filtered to give a solution 'C' in the third stage the filtrate is cemented with an excess of metal iron, thereby obtaining copper cement and a discharge solution 'D'.*

127454. Universal Oil Products Company. Method for the conversion of hydrocarbons in the presence of hydrogen. Accepted on 8th July 1971.

*Converting hydrocarbon charge under hydrogen producing conditions, separating effluent from reaction zone into first liquid hydrocarbon phase and first hydrogen containing gas phase increasing pressure of said first liquid and gas phases, separating from resulting admixture a second hydrogen gas phase, and a second liquid hydrocarbon phase, returning a portion of second hydrogen gas phase to said reaction zone as recycle, cooling remaining portion of said second hydrogen gas phase and condensing hydrocarbon contained therein and separating from resulting cooled gas condensate mixture a gaseous hydrogen stream of greater purity and liquid hydrocarbon conversion products are also recovered from mixture of converted by hydrocarbon and liquid carbon phase.*

127540. M. S. M. Rafi. Improvements in or relating to roofing sheets. Accepted on 6th July 1971

*Converting natural fibrous material into wet pulp, subjecting the pulp to sedimentation, separating the pulp from the sediment, filtering off a fraction of the water in the pulp, pressing the pulp into sheet form and cutting to get sheets of required thickness and optimum absorptivity in regard to asphalt, drying the sheets and cutting them to required sizes, wetting the sheets in a solution of sodium silicate in water, corrugating the sheets, soaking the sheets in a bath of asphalt mix (asphalt-aluminium paste), removing the sheets from the bath, allowing superfluous asphalt mix to drain off and curing the sheets.*

127721. Celanese Corporation. Polyalkylene terephthalate holding resin. Accepted on 6th July 1971.

*Comprising an intimate blend of polyalkylene terephthalate, an aromatic halide and a Gr, Vb metal containing compound.*

127786. Norsk Sprængstofindustri A/S. Process for the preparation of black powder. (5th February 1970). Accepted on 6th July 1971,

*Characterised in that raw materials are blended in the proper proportions and then further mixed and simultaneously ground and pulverized under continuous introduction into a jet mill of known construction of the type comprising an annular chamber having tangential inlets for the introduction of pressurized air, and the finished meal black powder is collected in a cyclone.*

127789. H. F. A. Topsoc. Process for the high temperature treatment of particulate material. (15th August 1969). Accepted on 3rd July 1971.

*Wherein a continuous stream of discrete particulate material is allowed to fall freely through a reaction zone where it is heated at a temperature of 1000°C and the walls of the reaction zone are maintained at a temperature which exceeds the temperature of the particles by at least 1000°C.*

127805. Imperial Chemical Industries Limited. Seismic prospecting. (13th August 1969). Accepted on 5th July 1971.

*Comprising tubular conduit means through which a line of elongated explosive may be fed in a continuous manner, means to move the conduit over the prospect area and means to control the rate of flow of fluent explosive material through the conduit means.*

127826. F. Hoffmann-La Roche & Co., Aktiengesellschaft. Non-cariogenic foods containing xylitol. Accepted on 3rd July 1971.

*Foodstuffs containing at least partially, xylitol, as the sugar.*

127929. The Firestone Tire & Rubber Company. Polymerization process. Accepted on 8th July 1971.

*Monomer composition containing at least 70 per cent conjugated diene is polymerised at no more than 40°C and in contact with catalyst composition of (a) Na alkyl or aryl and (b) K-tertiary alkoxide for at least 1 hour.*

128215. Wiggins Teape Research & Development Limited. Improvements in and relating to stabilized leucodyestuffs and their production. Accepted on 3rd July 1971.

*Comprising reducing a hydrophilic complex heterocyclic dye followed by acylation.*

128234. Dynamit Nobel Aktiengesellschaft. Improvements in or relating to the production of pipe with integral socket. Accepted on 7th July 1971.

*Comprises spirally winding a band of material around a rotating mandrel while superimposing one edge region of the band on the other edge region of the previously wound lap, and wherever a socket is desired, increasing the internal diameter of the pipe being formed in the region where the band is being superimposed onto the previously wound lap.*

128235. Manufacture Quenot "Mabo". Folding measuring instrument incorporating improved linkage member. Accepted on 6th July 1971.

*Comprising a plurality of successive interconnected graduated sections pivotally connected end to end and provided with a linkage member spring on the pivotal connection between adjacent sections.*

128364. Kothari & Sons. Powder puff or like dispensers for applying face, toilet, talcum or like powder. Accepted on 5th July 1971.

*Comprising a doughnut shaped body consisting of fine feathers fixed to a fabric, a lining of knitted or net fabric, an inner annular disc of sponge or sponge like plastic material, a holder member, means for securing the puff to the holder, means for dispensing the powder,*

128541. Farbenfabriken Bayer Aktiengesellschaft. Novel N-arylureas, a process for their production, and their use as herbicides. Accepted on 3rd July 1971.

*Reacting a dichlorofluoromethylmercapto phenyl isocyanate with an amine.*

128654. Industriële Onderneming Wavin N. V. Improvements in a pipe connection. Accepted on 5th July 1971.

*Characterized in that in the inner side of the female pipe part a recess is provided of a shape and dimensions that the end of the male pipe part can be slid part the coupling means accommodated in this recess while the surface of coupling means cooperates in such a way with the surface of the outer wall of the male pipe part.*

128681. Aktieselskabet Niro Atomizer. A method for operating a rotating kiln plant for the production of cement as well as a plant for carrying out the method. Accepted on 3rd July 1971.

*Characterising introducing cement slurry at the inlet end 20—100% by weight of normal capacity of the plant together with additional quantity of cement slurry spray dried by exhaust gas so that the total quantity introduced is about 120 to 300% of the capacity of kiln in normal operation, spray dried product being introduced just before the calcining zone.*

129051. Societa' Rhodiatoce S.p.A. Process for the manufacture of hexamethylenediamine. Accepted on 7th July 1971.

*By catalytic hydrogenation of adiponitrile in liquid phase at high pressure and elevated temperature in the presence of finely divided Raney catalyst and caustic alkali wherein hydrogen and adiponitrile are fed into a liquid reaction medium containing hexamethylene diamine, water, a caustic alkali and catalyst.*

#### Opposition Proceedings

(1)

An opposition has been entered by Afimahomed Chhaganbhai Padamsee to the grant of a patent on application No. 121827, made by Hindustan Vacuum Glass Limited.

(2)

An opposition has been entered by Director General, Research Designs & Standards Organisation, Ministry of Railways, Lucknow-5, to the grant of a patent on application No. 122185, made by Lockspike Limited.

(3)

The application for patent No. 101028 made by Machinery Manufacture Corporation Limited in respect of which an opposition was entered by Somendra Nath Ghosh, as notified in Part III, Section 2 of the Gazette of India, dated the 15th July 1967 has been treated as abandoned.

(4)

The application for patent No. 101059 made by Machinery Manufacturers Corporation Ltd. in respect of which an opposition was entered by Somendra Nath Ghosh, as notified in Part III, Section 2 of the Gazette of India, dated the 5th December 1967, has been treated as abandoned.

#### Patents Sealed

78046.	99221	117096.	118024.	119608.	119822.	119889.
120226.	120376.	120396.	120684.	120686.	120716.	120725.
120861.	120868.	120869.	120939.	121048.	121152.	121157.
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122010.	122023.	122192.	122204.	122246.	122263.	122266.
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123143.	123190.	123289.	123290.	123355.	123448.	123571.
123642.	123859.	123904.	123940.	123942.	123998.	123999.
124000.	124065.	124107.	124157.	124251.	124254.	124345.
124496.	124542.	124546.	124663.	124683.	124753.	124895.
124926.	125005.	125010.	125042.	125097.	125164.	125309.
125487.	125492.	125628.	125869.	125880.	126061.	126109.
126194.	126435.	126747.	126927.	127171.	127224.	127437.
127714.	128072.					

#### Amendment Proceedings

(1)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911, that Farbenfabriken Bayer Aktiengesellschaft, a body corporate organised under the laws of the Federal Republic of Germany, of 22C Leverkusen-Bayerwerke, Federal Republic of Germany, Manufacturers, seek leave to amend the claims in the specification of application for patent No. 78481. (Title :—Process for the production of substituted sulphonamides). Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(2)

Notice is hereby given under Section 17 of the Indian Patents and Designs Act, 1911 that FMC Corporation, a corporation incorporated under the laws of the State of Delaware, United States of America, of 1105 Coleman Avenue, San Jose, California, United States of America, seek leave to amend the claims in the specification in respect of patent application No. 111190. (Title :—Ground-working apparatus). Any person desirous of opposing the application for amendment should at any time within three months from the date of this Gazette, give notice of his intention to do so on the prescribed form (form 6 of the Indian Patents and Designs Rules, 1933) in the Patent Office, 214, Lower Circular Road, Calcutta-17. The proposed amendment may be seen free of charge at the Patent Office or copies thereof may be obtained from the Patent Office, on payment of the usual charges.

(3)

The amendment proposed by Jagat Jit Singh Ahluwalia in respect of patent No. 111655 as advertised in Part III, Section 2 of the Gazette of India, dated the 13th March 1971 have been allowed.

(4)

The amendments proposed by Leningradskoe Elektromashinostroitelnoe obiedinenie "Elektrosila" in respect of patent application No. 119340 as advertised in Part III, Section 2 of the Gazette of India, dated the 27th February 1971 have been allowed.

(5)

The amendments proposed by (Mrs.) Beryl Alice Enld Depenning in respect of patent application No. 119626 as advertised in Part III, Section 2 of the Gazette of India, dated the 6th March 1971 have been allowed.

(6)

The amendments proposed by Farbwerke Hoechst Aktiengesellschaft Vormals Meisted Lucius & Bruning in respect of patent application No. 121404 as advertised in Part III, Section 2 of the Gazette of India, dated the 13th March 1971 have been allowed.

#### Registration of Assignments, Licences etc. (Patents)

Assignments, Licences or other transactions affecting the interests of the original patentees have been registered in the following cases. The number of each case is followed by the names of the parties claiming interests :—

92740  
92741 George Harry Scherr.  
92739

111033 — M/s The Nash Engineering Company.

107786 M/s. Agripat S. A.

115855  
90689 — M/s, British Steel Corporation.



- 104287 — John William Codling, Esq., and John William Sweet
- 108284 M/s. The Board of the Rubber Research Institute of Malaya.
- 107850
- 103318
- 103319 M/s. CF & I Engineers, Inc.
- 104082

**Renewal Fees Paid**

57852. 58780. 59876. 61013. 61027. 61028. 61032. 61047.  
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 111612. 111649. 111687. 111715. 111716. 111748. 111821.  
 111822. 111823. 111880. 111899. 111989. 112000. 112001.  
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 112144. 112145. 112152. 112177. 112439. 112514. 112551.  
 112779. 112826. 113426. 115460. 115461. 115462. 115464.  
 116652. 116667. 116694. 117138.

**Cessation of Patents**

66745. 81015. 81018. 91199. 91201. 91202. 91203. 91204.  
 91205. 91206. 91208. 91210. 91212. 104211. 104212. 104215.  
 112148.

**Restoration Proceedings****(1)**

Notice is hereby given that an application has been made under Section 16 of the Indian Patents and Designs Act, 1911 for the restoration of following patent :—

No. 97742—Ball Brothers Co. Inc.

Title :—"Apparatus and method of forming a tightly adherent tin oxide coating on a surface in the production of glass".

The patent ceased on the 3rd February 1971, owing to non-payment of renewal fee within the prescribed time and cessation of the patent was notified in Part III, Section 2 of the Gazette of India, dated the 10th July 1971. Any person

may give notice of opposition to the restoration by leaving an application on Form 6 of the Indian Patents and Designs Rules, 1933, at the Patent Office, 214, Lower Circular Road, Calcutta-17. on or before the 4th September 1971.

**(2)**

An order has been made on the 17th June 1971, restoring the patent No. 63758. dated as of the April 1966, granted to Menghraj Wasimol Lalchandani for "gripdown clamp for machine tools".

**(3)**

An order has been made on the 22nd June 1971, restoring the patent No. 106787 dated as of the 25th August 1966 granted to The Colonial Sugar Refining Company Limited for "method and apparatus for aligning bodies".

**Registration of Designs**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the date claimed under Section 78-A of the Act.

Class 1. No. 138478. Mefina S. A. a corporation organized under the laws of Switzerland, 5, route de Beaumont, Fribourg, Switzerland. "Ironing press", March 6, 1971.

Class 3. No. 138381. Geep Flashlight Industries Limited, 28, South Road, Allahabad 1, U.P. India, an Indian Company, "Torch", February 3, 1971.

Class 3. Nos. 138463 and 138464. Vinmold Private Limited, a Company incorporated in India, King Edward Road, (Cross Lane), Sewri, City of Bombay, State of Maharashtra, India. "Toys", March 2, 1971.

Class 3. No. 138465. Pla-Age Industries, (Indian Proprietary firm), 30, Baroda Street, Bombay-9, (Maharashtra), "Ice cube tray", March 5, 1971.

Class 3. No. 138518. The Dunlop Company Limited, a British Company, Fort Dunlop, Erdington, Birmingham 24, England, "Adhesive applicators", Sept. 22, 1970.

Class 3. No. 138521. Prem Pal Malhotra, an Indian subject, adjacent to M/s. Agricultural Implements & Brass Utensils Factory, Ambala Road, Jagadhri, District Ambala, Haryana State. "A toy", March 22, 1971.

Class 3. No. 138581. Shavax Khurshedji Karanjia, 3, Duaij Court, First Floor, Colaba, Bombay-5, Maharashtra State, India, Indian Nationality, "Cushion", April 5, 1971.

Class 4. No. 138325. Manohar Industries of Nanded, S. C. Rly., State of Maharashtra, India, an Indian Partnership firm. "Slab", January 12, 1971.

Class 4. No. 138326. Manohar Industries of Nanded, S. C. Rly., State of Maharashtra, India, an Indian Partnership firm, "Railing", January 12, 1971.

Class 4. No. 138479. Vinedale Distilleries Private Limited, "Nirmal" 3rd Floor, 241, Backbay Reclamation, Nariman Point, Bombay 1, State of Maharashtra, India, a Company incorporated in India. "Bottles", March 6, 1971.

Class 10. No. 138392. Blow Plast Private Limited, a Company incorporated in India, Lal Bahadur Shastri Marg, Bhandup, City of Bombay, State of Maharashtra, India. "Footwear", February 5, 1971.

Class 10. No. 138393. Blow Plast Private Limited, a Company incorporated in India, Lal Bahadur Shastri Marg, Bhandup, City of Bombay, State of Maharashtra, India. "Footwear", February 5, 1971.

## COPYRIGHT EXTENDED FOR A SECOND PERIOD OF FIVE YEARS

Design No. 129724 Class—1.

## REGISTRATION OF ASSIGNMENTS, LICENCES, ETC., (DESIGN).

Assignments, licences or other transaction affecting the interest of the original proprietors have been registered in the following cases. The number of each case is followed by the names of the applicants for registration :—

135387—M/s. Bata Shoe Company Private Limited.

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Allen & Hanburys Ltd.—131879.  
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Alps Electric Co. Ltd.—131682.  
Altakanos Geptervezo Iroda.—131729.  
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Auti, P. B.—131946.  
Aziende Colori Nazionali Affini Acna S.p.A.—131734.

## B

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Dr. C. Otto & Comp. GMBH.—131796.  
Dresser Industries, Inc.—131928.  
Dunlop Holdings Ltd.—131610, 131611, 131691, 131692, 131693, 131721, 131737, 131738, 131739, 131740, 131741, 131761, 131762, 131763, 131826, 131827.  
Dynamit Nobel Aktiengesellschaft.—131744.

## E

E.I. du Pont de Nemours and Co.—131812, 131833, 131871.  
Electrospin Corpn.—131850.  
Eli Lilly and Co.—131834.  
Emhart Corpn.—131602.  
Engineer, N. S. (Mrs.).—131590, 131617, 131862.  
Enya, R.—131567.  
E. R. Squibb & Sons, Inc.—131802, 131807.  
Ethirajainh, C.—131629, 131630.  
Euclid Inc.—131569.

## F

Farbenfabriken Bayer Aktiengesellschaft.—131653, 131654, 131655, 131800.  
Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning.—131623, 131644, 131857, 131858, 131932, 131938, 131939.  
F. Hoffmann-La Roche & Co. Aktiengesellschaft.—131598, 131745, 131746, 131819, 131820, 131848, 131931.  
Fibreglass Ltd.—131578.  
Firestone Tire & Rubber Co., The.—131927.  
Fisons Ltd.—131867.  
Fiverel, Societe Civile D'Etudes Et De Recherches.—131641.  
Fredrik Louis Muller.—131705.  
Freya-Plastic Franz Delbrouch G.m.b.H.—131572.

## G

Gambin S. A.—131851.  
Garg, J. K.—131735.  
Gebruder Giuliani GmbH.—131912.  
George, P. V.—131633.  
Ghanekar, R. N.—131700.  
Girling Ltd.—131565, 131619, 131828, 131881, 131883, 131885.  
Glaverbel.—131563.  
Goel, M. P.—131716.  
Grain Processing Corpn.—131770.  
Grupul Industrial De Chimie Tirnaveni.—131568.  
Gula mhusein Ahmedally & Co.—131588.  
Gupta, P. P.—131728.

## H

Hafeez, M. A.—131757.  
Hajtomu Es Felconogvar.—131561.  
Hart, J.—131701.  
Hindustan Lever Ltd.—131596.  
Hindustan Miscellaneous Enterprises.—131603.  
Hydrocarbon Research Inc.—131609.

## I

Imhansen, K. H. (Prof. Dr.).—131725.  
Imhico AG.—131725.  
Imperial Chemical Industries Ltd.—131591, 131592, 131684, 131852, 131884, 131926.  
Imperial Chemical Industries of Australia and New Zealand Ltd.—131803.  
Indian Institute of Technology.—131937.  
Institut Electrosvarki Imeni E.O. Patona Akademi Nauk Ukrainko SSR.—131768, 131872.  
International Business Machines Corpn.—131665, 131764.  
Istituto Chemioterapico Italiano S.p.A.—131917, 131918.

## J

Jain, S. (Mrs.).—131674.  
 Janssen Pharmaceutica N. V.—131767.  
 Jg Glass Industries Pvt. Ltd.—131860.  
 J. H. Fenner & Co., Ltd.—131749, 131920.  
 John, S.—131660.  
 Johnson & Johnson.—131626.  
 Joseph Lucas (Australia) Proprietary Ltd.—131659.  
 Joseph Lucas (Industries) Ltd.—131643, 131801, 131904.

## K

Kalle Aktiengesellschaft.—131562.  
 Kamat, T. V.—131887.  
 Kamyrt Aktiebolag.—131720.  
 Kanhere, S. P.—131632, 131924.  
 Keelavite Hydraulics Ltd.—131666.  
 Kentredder Ltd.—131906.  
 Khan, M. H.—131899.  
 Kharkovsky Aviatsonny Institut.—131769, 131942.  
 Kores (India) Ltd.—131595.  
 Kotzur, R. S.—131706.  
 Kumar, M.—131638, 131776.

## L

Lakshmanachari, T. B.—131579, 131580, 131581, 131945, 131946.  
 L' Air Liquide, Societe Anonyme pour l' Etude et l'Exploitation des Procédes Georges Clauds.—131777.  
 Leningradsky Dyazhdy Ordena Lenina Metallichesky Zavod Imeni XXII siezda Kps.—131727.  
 Leningradsky Metallichesky Zavod Imeni XXII Siezda Kpss.—131766, 131784, 131786.  
 L. Givaudan & Cie Societe Anonyme.—131599.  
 Litton Industries, Inc.—131715.  
 Levens Kemiske Fabrik Production-saktieselskab.—131771.  
 Luz Electricals Pvt. Ltd.—131895.

## M

Madras Chingleput District Palm Products Co-operative Federation Ltd. The.—131804.  
 Magor, R. B.—131849.  
 Mail Order Sales Pvt. Ltd.—131586.  
 Maini, S. P.—131783.  
 Manohar Industries.—131795, 131915.  
 Mansukhani, G. R.—131669.  
 Mitsui Teatsu Chemicals, Inc.—131625.  
 Matsushita Electric Industrial Co., Ltd.—131698.  
 Mavrovic, I.—131877.  
 Meeran, M.—131621.  
 Mehta, G. V. Shri.—131901.  
 Mehta, P. M.—131719.  
 Merck & Co., Inc.—131703, 131704.  
 Merlin Gerin.—131893.  
 Messerschmidt, S.—131708.  
 Metallgesellschaft A. G.—131913.  
 Miller Printing Machinery Co.—131754.  
 Mirchandani, I. T.—131669.  
 Mobil Oil Corp.—131919.  
 Moledeth Development Co. Ltd.—131940.  
 Montecatini Edison S.p.A.—131671.  
 Morel, P. H.—131856.  
 Muller, F. L.—131705.  
 Mavrovic, I.—131877.  
 Muvek, M.—131730.

## N

Nadkarni, S. V.—131656.  
 Nagar, R. C. Dr.—131929.  
 Nambiar, S.—131930.  
 Narayanan, B. L.—131813, 131814, 131815, 131816, 131817, 131836, 131837.  
 Natarajan, R.—131936.  
 National Buildings Organisation.—131628.  
 National Cash Register Co. The.—131921.  
 Nikex Nehezpari Kulkereskedelmi Vallalat.—131714.  
 Nippon Kokan Kabushiki Kaisha.—131859.  
 Norton Co.—131696, 131756.  
 N. V. Philips' Gloeilampenfabrieken.—131585, 131604, 131651, 131683, 131755, 131822, 131846.

## O

Orient Trading Co.—131649, 131650.  
 Oroschakoff, G.—131781.  
 Orsymonde.—131853.  
 Owens-Corning Fiberglas Corp.—131627.

## P

Pacheriwala, V.K.—131878.  
 Padmanebhan, S. V.—131579, 131580, 131581, 131944, 131945, 131946.  
 Padamsee, A. C.—131587.  
 Parikh, R. A.—131662.  
 Patil, M. D.—131639.  
 Patil, R. S. (Mrs.).—131805.  
 Patil, S. D.—131805.  
 Patil, V. R.—131640.  
 Pilkington Brothers Ltd.—131571, 131750.  
 Plasser, F.—131844, 131874, 131875, 131876.  
 Pooler, M. L. B.—131870.  
 Prabhakaran, R.—131759.  
 Progil.—131808, 131809.

## R

Raffinerie Tirlemontoise.—131838.  
 Rajagopalan, K.—131911.  
 Ramamurthy, A.—131736.  
 Rangappa, K. S. (Dr.).—131791, 131792.  
 Ray, K.—131736.  
 Rea Corp.—131910.  
 Rederiaktiebolaget Nordstjernan.—131584.  
 Rhone-Poulenc S. A.—131760.  
 Richter Gedeon Vegyeszeti Gyar R. T.—131657, 131710, 131711, 131712, 131713.  
 R. J. Reynolds Tobacco Co.—131577.  
 Royalty Designs of Florida, Inc.—131905.  
 Roy, T. K. (Dr.).—131614, 131615.

## S

Saha, A. R. (Dr.).—131775.  
 Sandoz Ltd.—131821, 131847, 131916.  
 Sarabhai Electronic Research Center.—131793, 131794.  
 Scandia Packaging Machinery Co.—131773.  
 Schrier, J.—131701.  
 Schwarz Mining & Industries Ltd.—131831.  
 Sebastian Messerschmidt.—131708.  
 Sen, S. K.—131825.  
 Seshaiyengar, V.—131902.  
 Shah, S. H.—131618.  
 Shashidhara, B. L. S.—131634.  
 Shell Internationale Research Maatschappij N. V.—131667.  
 Shree Mukesh Textile Mills Pvt. Ltd.—131733.  
 Singer-Cobble Ltd.—131742.  
 Singha, R. K.—131832.  
 Smackey, W. C.—131841.  
 Smith Kline & French Laboratories Ltd.—131694.  
 Snam Progetti S.p.A.—131747.  
 Societe Anonyme Tubest.—131681.  
 Societe De Conditionnement En Aluminium Scal GP.—131889.  
 Societe Des Accumulateurs Fixes Et De Traction.—131680.  
 Sohr, H. U.—131608.  
 Sony Corporation.—131748, 131772, 131840.  
 Southwire Co.—131903.  
 Sperry Rand Corp.—131743.  
 Stamicarbon N. V.—131865.  
 Stanadyne, Inc.—131560.  
 Standard Telephones and Cables Ltd.—131583.  
 Sumitomo Chemical Co. Ltd.—131670, 131697, 131765.  
 Supanekar, S. D.—131661, 131863.  
 Superba.—131779.  
 Suthar, U. M. N.—131702.

## T

Takeda Chemical Industries, Ltd.—131933.  
 Tanaka, A.—131601.  
 Taskar, G. S.—131922.  
 Teentralnce Konstruktorsko-Tekhnologicheskoe Bjuro Kolesnogo Proizvodstva.—131785.  
 Temasfeldt, M. F.—131695.  
 Tesla, Narodni Podnik.—131898.  
 Texaco Development Corpu. Tirlemontoise, R.—131896, 131838.  
 Tolani, B. S.—131699.  
 Topsoc, H. F. A.—131894.  
 Toyo Engineering Corp.—131625.  
 Triveni Structural Ltd.—131797.

## U

Udylite Corpn. The.—131645.  
Ugine Kuhlmann.—131829.  
Union Carbide Corpn.—131778, 131925.  
Universal Oil Products Co.—131782, 131810.  
Uss Engineers and Consultants, Inc.—131564, 131780.

## V

Varma, A. R.—131759.  
Varma, K. P.—131758.  
Varma, P. V. A.—131616.  
Vartak, T. P.—131923.  
Varughese, K. K.—131672.  
Veb Chemieanlagenbau Laipzing.—131914.  
Veb Filmfabrik Wolfen.—131658.  
Vedecko-Vyzkumny Whelny Ustav —131897.  
Vsesojuzny Nauchno-Issledovatel'sky I Proektny Institut Aljuminievoi Magnievoi I Elektrodnoi Promyshlennosti.—131788.

Viobin Corpn.—131854.  
Vogel, G.—131886.  
Vortice Elettrosociali S.p.A.—131941.

## W

Wenger Manufacturing, Inc.—131934.  
Wiggins Teape Research & Development Ltd.—131646.  
Worthington Foods, Inc.—131882.  
W. R. Grace & Co.—131869.

## X

Xavier, K. K.—131613, 131675, 131806.

## Y

Yadav Engineering Works.—131631.  
Yissum Research Development Co.—131892.

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